

F1G. 2

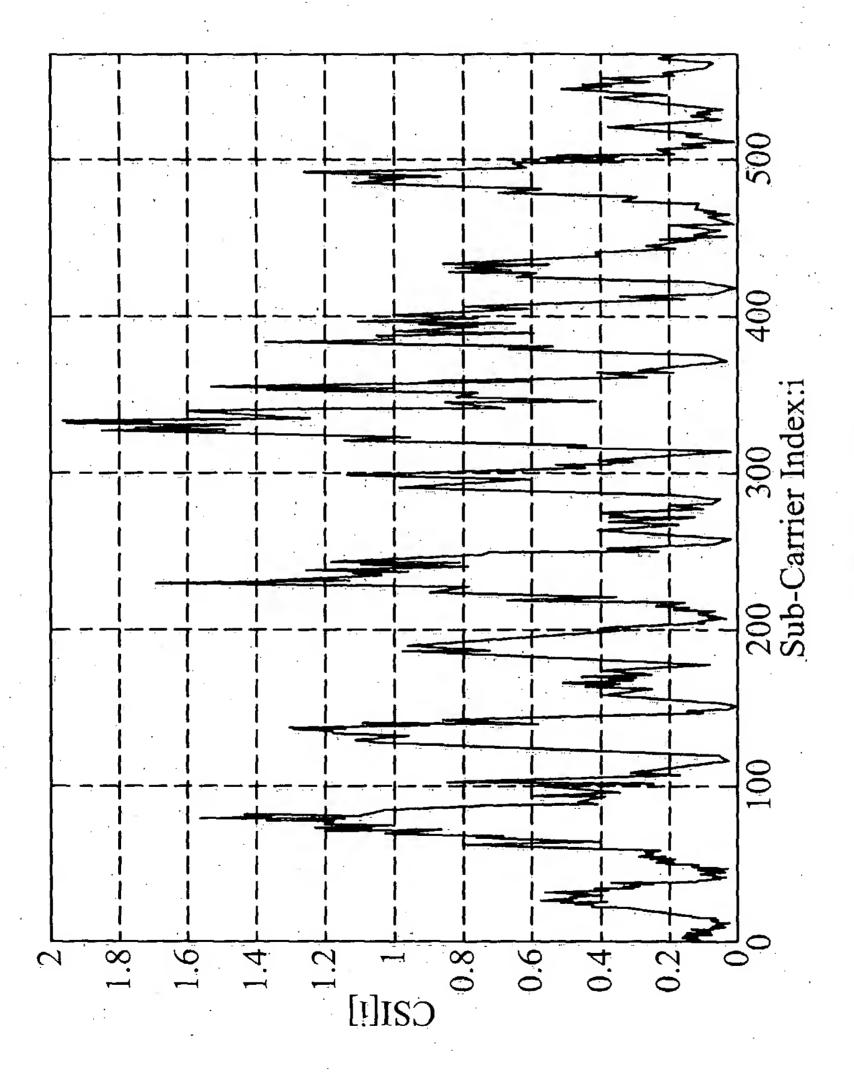


FIG. 3A

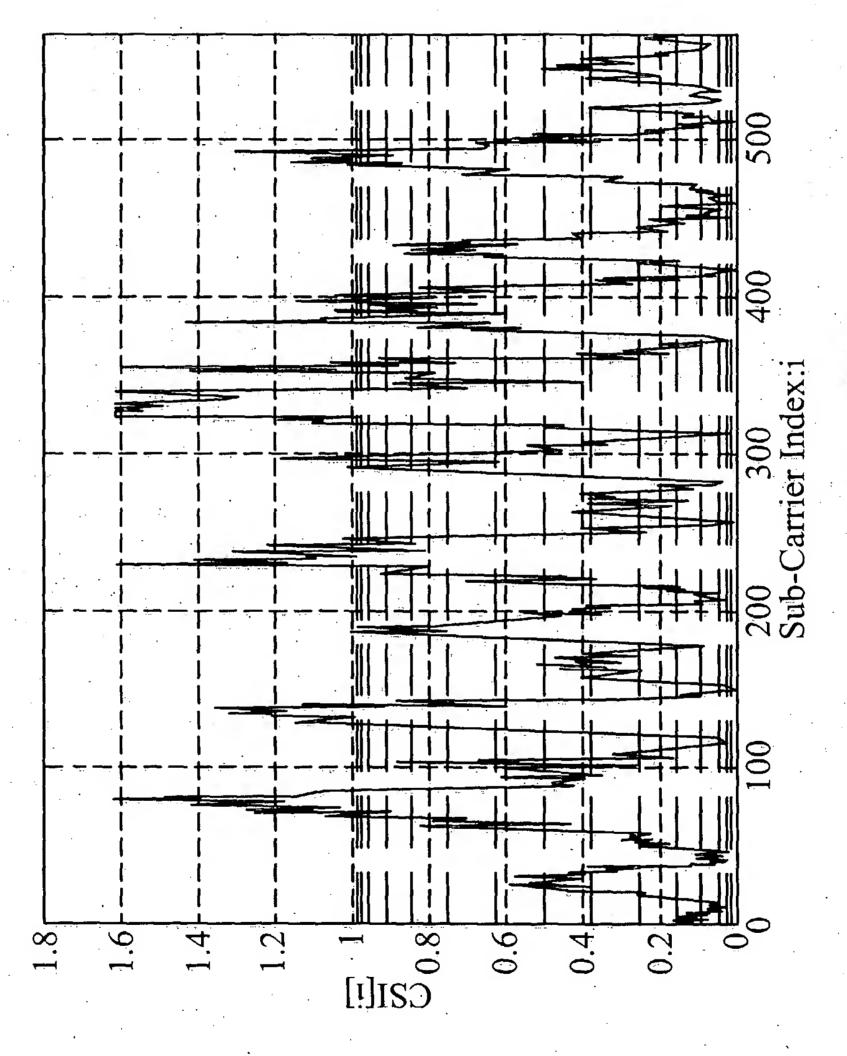
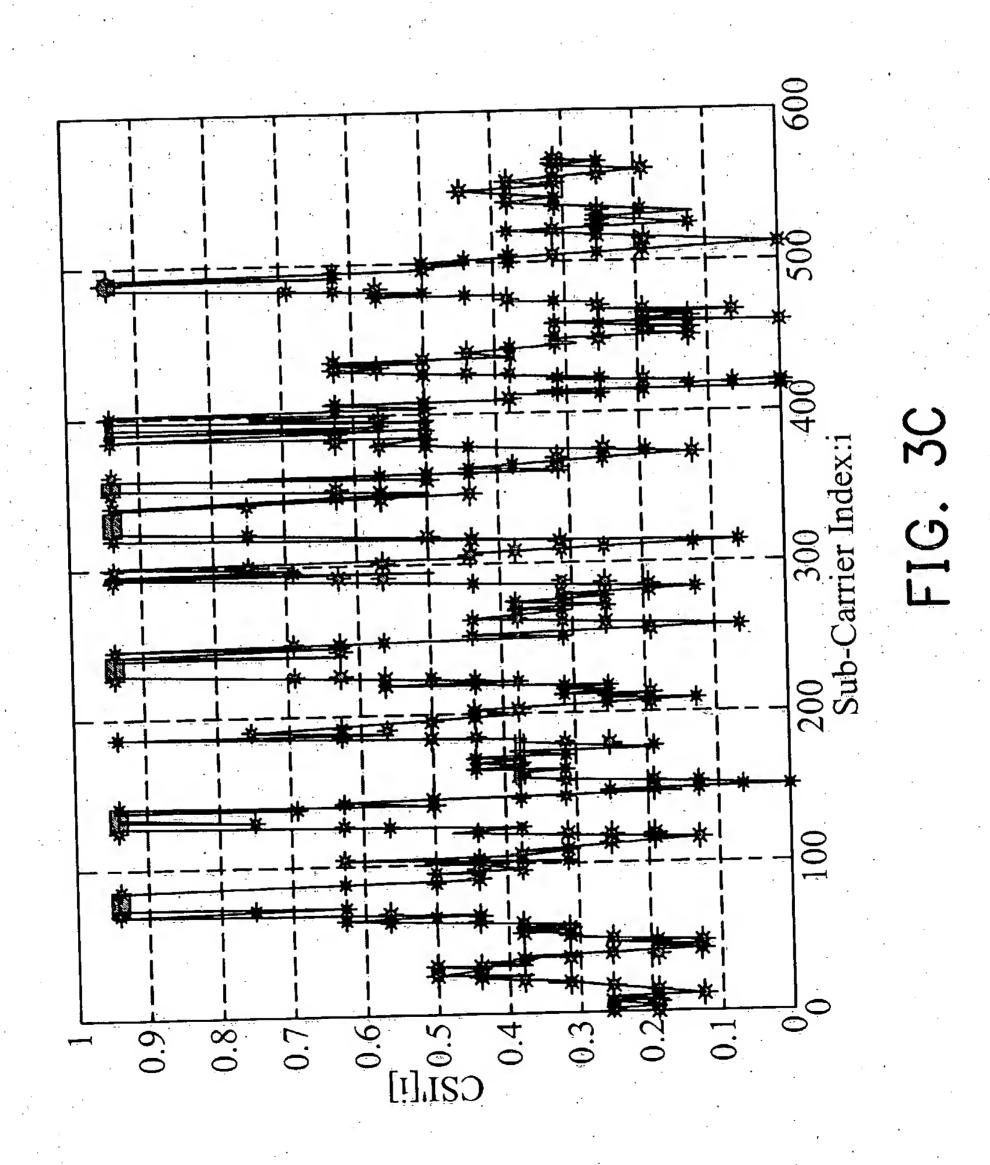


FIG. 3B



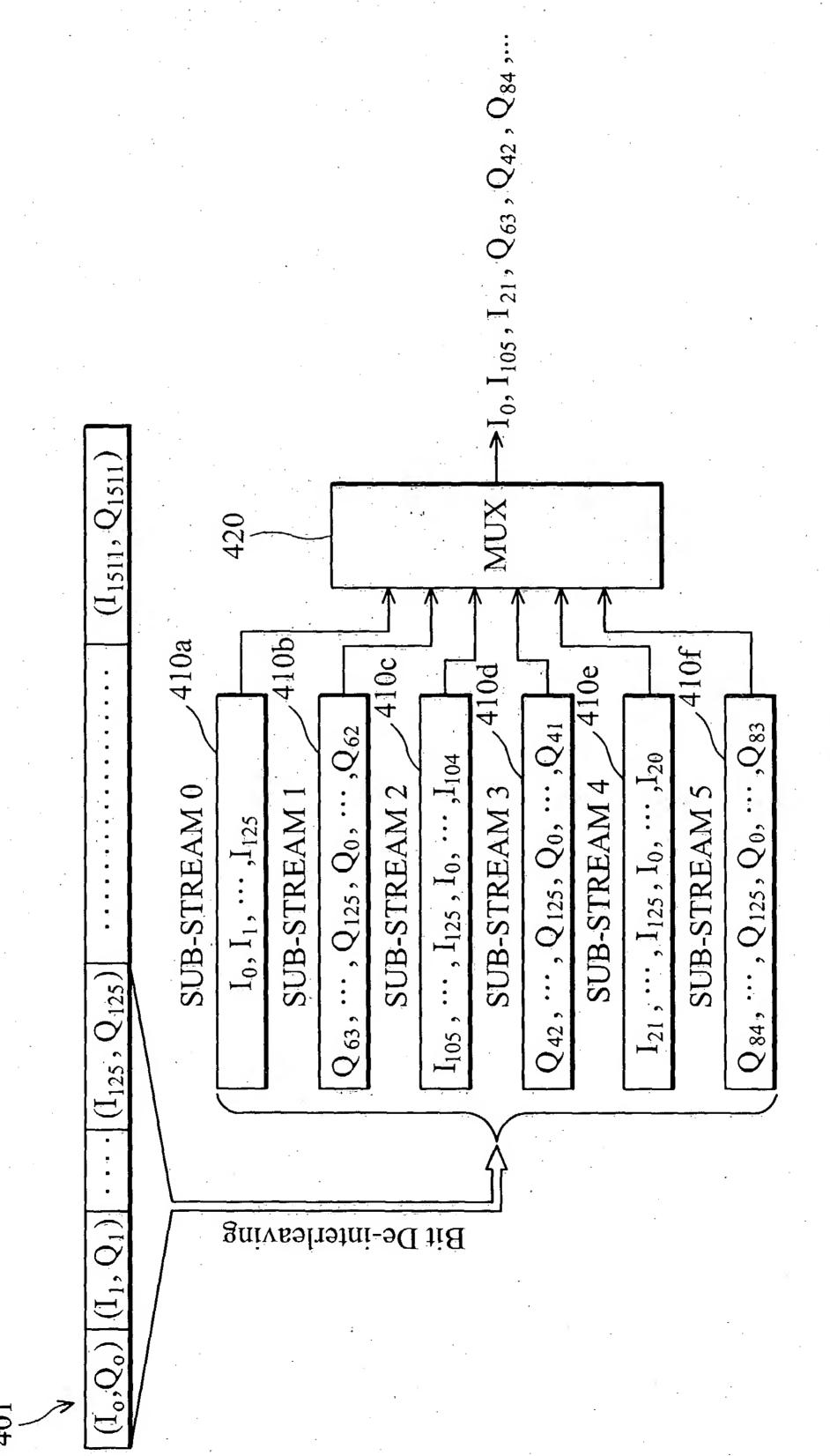


FIG. 44

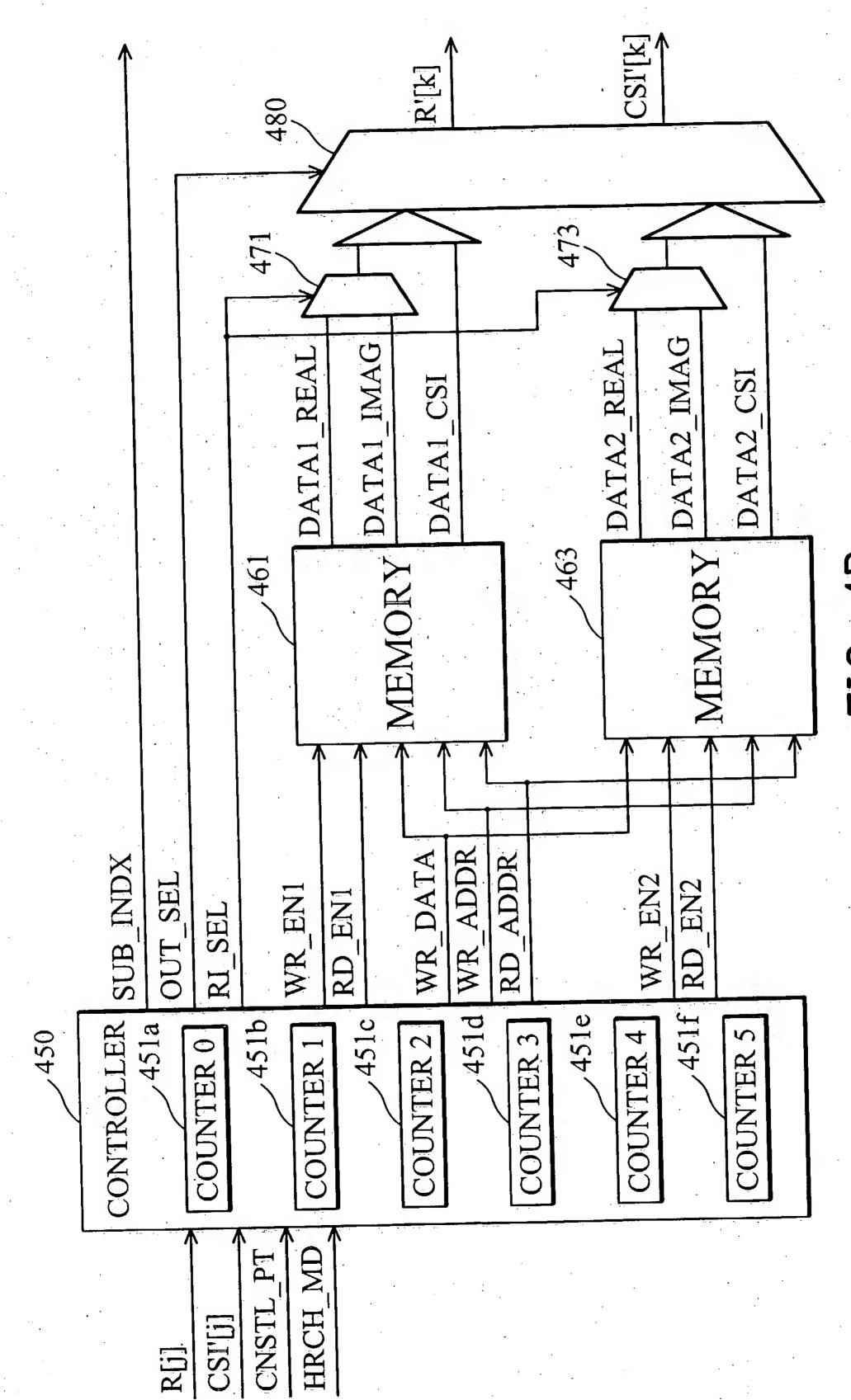


FIG. 4B

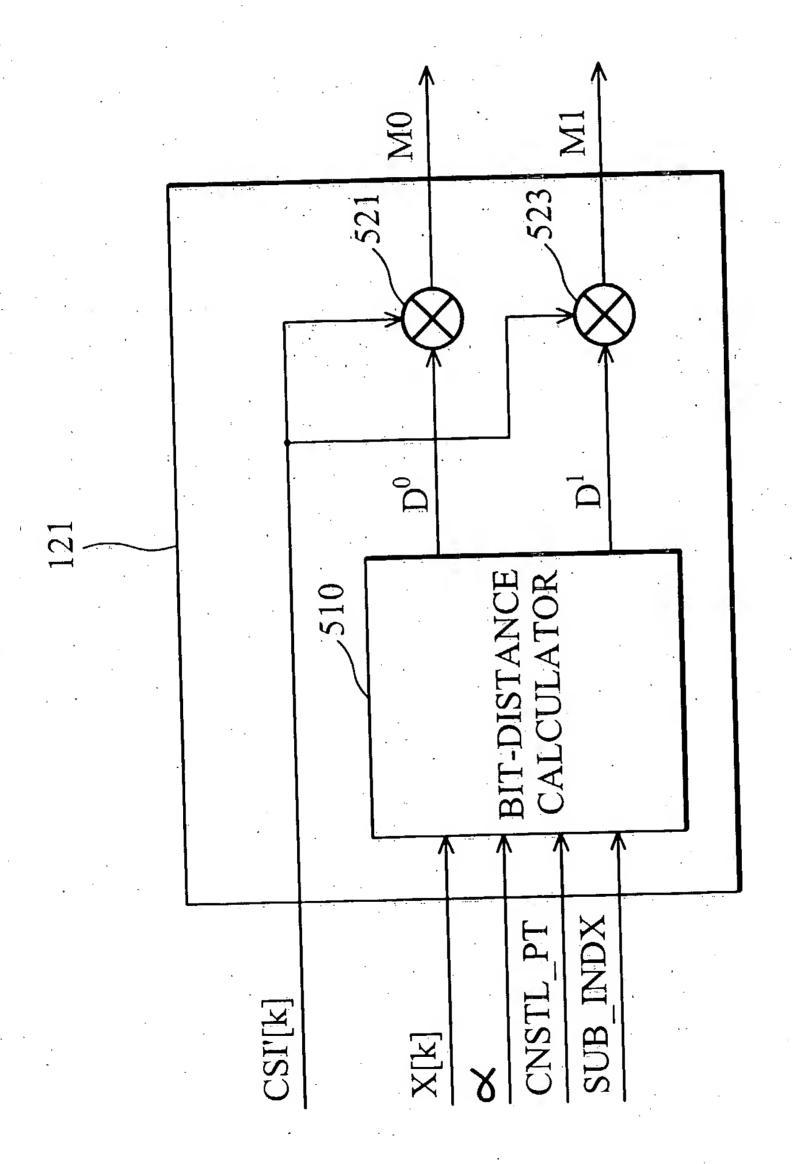


FIG. 5

FIG. 6A	-7 011000 011010 010010 010000)	0000 110010 111010 111000
	-5 e -5 e 011001 011011 010011 010001	0001 110011 111011 111001
•	-3 011101 011111 010111 010101	0101 1101111 1111111 111101
	-1 5 7 7 7 -1 0111100 011110 0101100 0101100 0111100 0111100 011011	-7 -5 -3 -1 0100 0100 111110 1111100
→Re{z} Convev:a	01110	10 101
	3 001101 001111 000111 000101	00101 1001111 1011111 101101
	5 001001 001011 000011 000001	00001 100011 101011 101001
· ·	7 (001000 001010 000010 000000	00000 100010 101010 101000
G 0	/ey:a₁,a₃,a₅	$Im\{z\}$ Conv

G_1^0			${\bf z}$,	
			→ Re				J. 5
1Vey:a1,a3,a5	101000	101011 101001 001001 001001 000001 000001 101111 1011101 001101 001111 0001111 0001101	101100	0 1111100 0111100 011110	1111101 -3 0111101 0111111	111001	
	[100000 100010 101	100001 100011 101 100101 100111 101	100100 100110 101	110100 110110 111	110101 110111 111	110001 110011 111	110000 110010 111

G_2^0				→ Re{z} Convev:ao.				FIG. 6C	
	0000010 000000	000011 000001	000111 000101	000110 000100	5 7 ©10110 ©10100	010111 010101	010011 010001	010010 010000	*
1, a3, a5 G ₂	001000 001010	001001 001011	001101 001111	011100 001110	3 111100 011110	0111101 0111111	011001 011011	011000 011010	
Im{z} Convey:a1,a3,a5	101000	101001 +5	101101 = 3	101100 +1	-1 1111100 -1	1111101 -3	1111001	111000	
	100010 101010	1000011 101011	100111 1011111	100110 101110	-5 -3 110110 1111110	1101111111111	110011 1110111	1100101111010	
0,7	100000	100001	100101	100100	110100	110101	110001	110000	

				Convey:a0.a2.a4				FIG. 6D	
0	£		Ğ	\ \rightarrow \ \rightarrow \ \rightarrow \ \ \rightarrow \ \ \ \rightarrow \ \ \rightarrow \ \ \rightarrow \ \ \ \rightarrow \rightarrow \ \rightarrow \ \rightarrow \ \rightarrow \rightarrow \ \rightarrow \rightarrow \ \rightarrow \ \rightarrow \righ				\ B	
	000000	000001	000101	000100	7 010100	010101	010001	010000	
	0 000010	1 000011	1 000111		5 0 010110	1 010111	1 010011	0 010010	
a S	00 001010	01 001011	01 001111		3 00 011110	01 011111	01 011011	011000 011010	
Convey:a1,a3,a5	7 001000	5 001001	-3 001101		$\begin{bmatrix} 1 \\ -1 & 0 \\ 0111100 \end{bmatrix}$	-3 @ 011101	5 @ 011001	1-1	
Im{z} Con	01010 101000	1001001	101101	101	-1 0 1111100	1111101	1111001	0 111000	
*	0 10101	1 101011	1 1011111	0 101110	-3 0 1111110	1 1111111	1 11110111	0 111010	
•	00 1000	01 10001	01 10011	00 10011	7 -5 00 11011	01 11011	01 11001	00 11001	
: · · · · · · · · · · · · · · · · · · ·	1000	1000	1001	1001	1101	1101	1100	1100	
	e e e e e e e e e e e e e e e e e e e								

FIG.	111011 1111001 -5
	110111 111111 1111101 -3
\rightarrow Re{z} Con	100100 100110 101110 101100 100110 000110 000110 000110 000110 -7 -5 -3 -1 1 3 5 7 110100 110110 1111110 1111100 0111100 0111110 010110 010110
	100111 101111 101101 3 001101 001111 000111 000101
-	100010 101010 101000
G 4 7	n{z} Convey:a ₁ ,a ₃ ,a ₅ G ⁰ 101000 7 001000
	G_4^0 $\rightarrow \text{Re}\{z\} C$

FIG. 6F	110000 110010 111010 111000 -7 011000 011010 010010 010000
	110001 110011 111011 111001 -5 0 11001 011011 010011 010001
G_{S}	110101 110111 111111 1111101
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
G ⁰ Ge{z} Convey:a _{0.82}	0 101100 1 001100 001110
	100101 100111 101111 101101 3 001101 001111 000111 000101
G_{S}^{1}	100001 100011 101011 101001
	100000 100010 101010 101000 7 001000 001010 000010 000000
G_5^0	$Im\{z\}$ Convey: a_1,a_3,a_5

